

No Added Urea Formaldehyde Resin (NAUF)

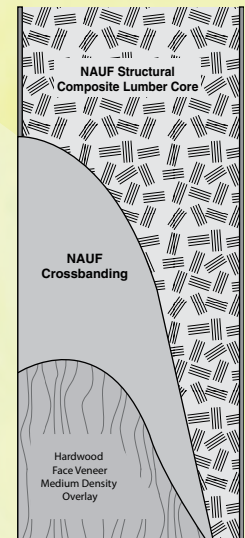
SCLC-5 Structural Composite Lumber Core (Neutral or Positive Pressure) **FD 1/3 Hour**

Algoma's Architectural NAUF Structural Composite Lumber Core door utilizes an engineered hardwood strand board that is oriented and NAUF resin bonded to provide physical properties that equal or exceed solid lumber.

Stiles are securely bonded to the core. This construction provides strength, rigidity, and screw-holding power for surface mounted hardware to satisfy the most demanding applications.

Algoma uses only face veneers at least .020" (.5mm) thick at 12% moisture content.

Positive Pressure Note: Algoma recommends using Category B 1/3 hour single swing doors. Please refer to Positive Pressure in Product Features Detail Section below. The selection of Category B 1/3 hour doors will offer cost savings and no aesthetic compromise.



Product Features

THICKNESS – 1 3/4" (44mm) available FD 1/3 hour labeled. 1 3/8" (35mm) available non-labeled, 2 1/4" (57mm) available.

MAXIMUM SIZE – Available prefit up to 4'0" x 10'0" (1219 x 3048mm). In FD 1/3 hour, 4'0" x 9'0" (1219 x 2743mm) is maximum for singles and 8'0" x 9'0" (2438 x 2743mm) for pairs. Also available in double egress pairs up to 8'0" x 9'0" (2438 x 2743mm).

STILES (EDGE BANDS) – 7/8" (22mm) prior to factory trimming, glued to core. Alternates: ME—same species or CE—compatible edges.

SPECIAL EDGE TREATMENTS – To reduce edge damage, polymer edges with FD 1/3 hour label available.

TOP & BOTTOM RAILS – Structural composite lumber (industry standard does not require separate rails on this construction).

NAUF CORE – Structural composite lumber core.

NAUF CROSSBANDS – 1/16" (1.6mm) minimum wood-based composite.

FACES – All foreign and domestic species, medium density overlay (MDO) and most low sheen .050 thickness High Pressure Decorative Laminates. Faces are a minimum of 1/50" (0.5mm) at 12% moisture content. All faces to be per WDMA I.S.1-A face grades unless otherwise specified.

ADHESIVE – Doors constructed using water-resistant NAUF adhesives (Type 2).

VENEER MATCHING – Available in pairs, sets or matching transoms.

DETAILS – Standard lites and louvers available not to exceed 40% of door area or 54" (1372mm) in length. Maximum glass opening on FD 1/3 hour doors is 1,296 sq. in. (0.836m²) with wood beads or metal vision panels. Applied mouldings and quirks also available. Contact Algoma for positive pressure approvals.

MACHINING – Available with hinge and lock machining as well as rabbets, holders, drop seals, pivots, etc.

FINISHING – Available in finishes with performance characteristics equivalent to WDMA System TR-6, standard or custom colors. Also available primed, sealed, or sealed top and bottom edges only. Opaque finish (OP-6) on medium density overlay only.

WARRANTY – For interior, full warranty for life of original installation.

STANDARDS MET OR EXCEEDED – WDMA I.S.1-A Series, ARCHITECTURAL WOOD FLUSH DOORS. Architectural Woodwork Quality Standards Section 1300, Architectural Flush Doors and Section 1500, Factory Finish.

SPECIAL SERVICES – Provides detention security rating of Grade #40 with ASTM Impact Test F 476.

POSITIVE PRESSURE – CATEGORY A: Singles and pairs have intumescent built into the door, and no additional fire seals are required. If smoke and draft control doors are also required, then a category H seal must be applied to the frame.

CATEGORY B: Singles and pairs require a category G edge seal applied to the frame. Pairs also require a category G edge seal applied to one of the meeting edges.